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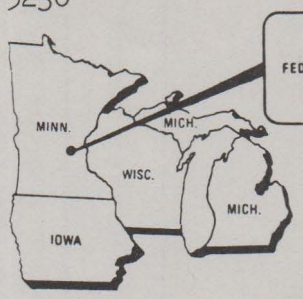

US FOREST SERVICE
NA - S&PF - FIELD OFFICE
FEDERAL BLDG. - US COURT HOUSE
316 ROBERT ST.
ST. PAUL, MINN. 55101

Northeastern Area State & Private Forestry

DIVISION OF FOREST PEST CONTROL

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Results of Saratoga Spittlebug Scar-Count Survey - 1969 - Ottawa National Forest

By Glen Erickson and Imants Millers

INTRODUCTION

The Saratoga spittlebug, Aphrophora saratogensis (Fitch), is one of the major pests of young red pine plantations in the Lake States. The scars caused by adult feeding on pine branches are used to estimate the preceding season's damage, and to estimate next year's spittlebug population. The scar-count surveys are made annually on selected susceptible red pine plantations. This report presents the results of the 1969 scar-count survey.

RESULTS AND DISCUSSION

The survey results and recommended action for each plantation is shown in Table I.

Moderately damaged plantations may have some growth reduction and increased damage in 1970 can be expected. However, tree mortality is not likely for at least 2 years.

Future surveys are recommended on the basis of the 1969 scar-counts and tree heights.

RECOMMENDATIONS

Three Districts have recommendations for future scar-count surveys of their plantations. The Forest Manager should act on the recommendations, and plan for future work.

Table I. Results of Saratoga Spittlebug Scar-Count Survey - 1969 - Ottawa National Forest

Location				Area	Trees		Survey Results	
District & Plantation Id. No.[1]	T	R	S	Acres	T/A	Ht./Ft.	Scars[2]	Recommendations
BESSEMER RANGER DISTRICT								
226-14	45	42	16	10	550	4	M	SC-'71[3]
232-27,59,62	45	42	22,27	57	550	4	L	SC-'72
31-7,8,9,10,12	46	44	2,3	120	450	3	L	SC-'73
P-2017d	46	44	10,11	70	---	-	-	Drop-Spruce replant
P-2017c	46	44	12,13	143	---	-	-	Drop-Spruce replant
84/95-11,17/20	47	43	21,28	39	400	3	L	SC-'73
IRON RIVER RANGER DISTRICT								
117-30,31,26	43	35	4	60	900	-	-	SC-'72
19-30,22	45	36	5,7,8	141	800	4	M	SC-'71
33-18,19	45	36	7	112	600	4	M	SC-'71
44-53,54	45	36	23	20	600	6	L	SC-'73
ONTONAGON RANGER DISTRICT								
112-14,22	49	35	15	40	600	5	M	SC-Area III-'71
47-34,47	50	35	35	20	600	6	L	SC-'72

1/ xxx-xx = Compartment number - stand number

2/ Saratoga spittlebug scar-counts L-Light M- Moderate

3/ SC-xx = Scar-count in year - xx